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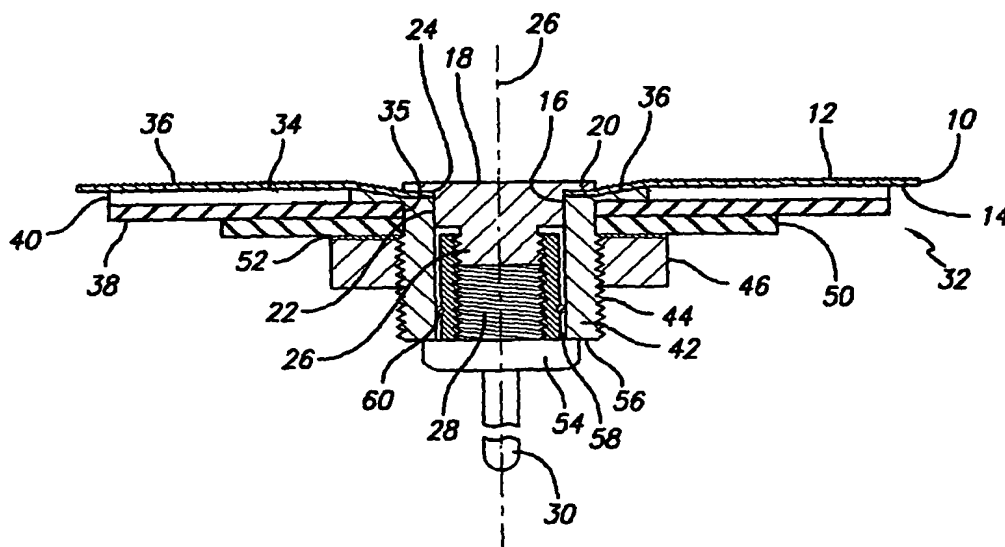
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(54) Title: ARBORS AND FASTENERS TO AFFORD TWO FORMS OF EASY/QUICK CHANGE MOUNTING FOR ABRASIVE DISCS



(57) Abstract: An attachment structure for a coated abrasive finishing article (10) such as a disc having a central aperture (16) formed therein. The attachment structure may be in a form to be reused indefinitely and in such form includes a nut (18) having a flange (20) engaging the abrasive particles on the disc and a body extending through the central aperture and terminating in an externally threaded shank (26) adapted to be received by the female threads on a drive member (30). The apparatus may also be in a form to be disposable along with the spent disc. In such form, the apparatus includes a similar nut formed of plastic material which is secured in place on the abrasive disc by a retention member (80) such a washer which is secured to the body of the nut by an interference fit on the side of the disc opposite the abrasive particles.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/00149

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B24D 17/00

US CL : 451/510

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 451/510, 359, 508, 520, 521, 514, 515

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,551,180 B2 (BRAASCH) 22 APRIL 2003 (22.04.2003), See fig. 1.	1-15
A	US 4,934,107 A (MacKay, Jr.) 19 June 1990 (19.06.1990), See entire document.	1-15
A	US 6,379,234 B1 (MacKay) 30 April 2002 (30.04.2002), See entire document	1-15

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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